| POSITION                  | INITIALS | ID NO. | DATE |
|---------------------------|----------|--------|------|
|                           | •        |        |      |
| FEE DETERMINATION         |          |        |      |
| O.I.P.E. CLASSIFIER       | ·        |        |      |
| FORMALITY REVIEW          |          |        |      |
| RESPONSE FORMALITY REVIEW |          | _      |      |

## INDEX OF CLAIMS

| V | Rejected                   | N | Non-elected  |
|---|----------------------------|---|--------------|
|   | Allowed                    | 1 | Interference |
|   | (Through numeral) Canceled | Α | Appeal       |
|   | Restricted                 | 0 | Objected     |

| Cla      | im  |                |          |   |               | _        | Dat      | 6        |           | -        |              |               | $\neg$   | [0           | lai | mT       |  |              |               |            | Dat      | e         |              |          |         | _        |
|----------|-----|----------------|----------|---|---------------|----------|----------|----------|-----------|----------|--------------|---------------|----------|--------------|-----|----------|--|--------------|---------------|------------|----------|-----------|--------------|----------|---------|----------|
| Çia      |     | 54             |          | г | $\overline{}$ | -т       | Uai      | I        | 1         | Т-       |              | $\overline{}$ | $\dashv$ | ۲            | т   |          | Т  |              | Т             | Т          | Ť        | _         |              | Γ        | Τ       | Т        |
|          | nal | 2 5/11/04      |          |   | 1             | -        |          |          | -         |          | -            |               | - }      | _            | _   | Original |  |              |               | - 1        | 1        |           |              |          |         | ļ        |
| Final    | į   | []             |          |   |               | 1        |          | ١        |           | - 1      |              |               |          | i            | ₽   | Ē        |  |              |               | - 1        | l        | - 1       |              |          |         |          |
| Ľ.       | 2   | S              | _        | L | 4             | 4        | _        | L        | 4         |          | 4            | 4             | 4        | Ľ            | 4   | 의        | +  | +            | -+            | -          | -        |           |              | ⊢        | +       | +        |
|          | 1   | 2              |          | L | 4             | 4        |          | Ļ        | ┸         | _        | 4            | _             | _        | $\vdash$     | _   | 51       | -+   | +            | 4             | -          |          | _         |              | L        | ╀       | +        |
|          | 2   | $2 \angle$     |          | L | $\perp$       | $\perp$  |          | L        | 1         |          |              | _             | _        | ⊢            | _   | 52       | 4  | _            | _             | _          | _        | _         |              | Ļ        | 4       | 4        |
|          | 3   | 1              |          |   | -             |          |          |          |           | ļ        |              |               |          | L            | _   | 53       | _  |              | $\perp$       |            |          |           |              | L        | $\perp$ | $\perp$  |
| 7        | 74  | )=             |          | Γ | Ţ             |          |          | Γ        | Т         |          |              | $\Box$        |          |              | _   | 54       |  |              | ightharpoonup |            |          |           |              | L        | 1       | 4        |
| $\Box$   | 5   | V              |          | Г | T             | П        |          | Г        | Т         | T        | П            | П             |          |              | 1   | 55       |  |              |               |            |          |           |              |          |         | ╝        |
|          | 6   | 1              |          | T | ┪             | $\neg$   | _        | Ī        |           | T        |              | ┪             | $\neg$   |              | T   | 56       |  |              |               | _ [        |          |           |              | ļ        |         |          |
| 5 (      | 7   | =              |          | T | 7             | _        |          | T        | 1         | T        |              |               | T        |              |     | 57       |  | T            | Ţ             | $\neg$     |          |           |              | Γ        | Ţ       |          |
| -        | 8   | =              | $\vdash$ | t | 1             |          |          | t        | $\dagger$ | 1        | ヿ            | 7             | $\neg$   |              | 7   | 58       |  |              | $\neg$        |            |          |           |              | Τ        | 7       | ٦        |
| -        | 9   | _              | -        | t | ┪             | $\dashv$ |          | ╁        | $^{+}$    | $\dashv$ | -            | 7             | ヿ        | _  -         | 7   | 59       | ┪  | _            | 寸             |            |          |           |              | 1        | T       | ヿ        |
| <u> </u> | -   | ~              | $\vdash$ | ╁ | +             | $\dashv$ |          | ╁        | +         | $\dashv$ | $\dashv$     | -+            | -        | ⊢            | -   | 60       | $\dashv$   | 7            | -1            | _          |          |           | 1            | t        | +       | +        |
| $\vdash$ | 10  | -              |          | ╀ | $\dashv$      |          |          | ╁        | +         | +        | -+           | $\dashv$      | $\dashv$ | -            | -   | 61       | $\dashv$   | -+           | -             | $\neg$     |          | $\vdash$  | $\vdash$     | ╁╌       | +       | 十        |
| ⊢        |     | <u> </u>       | ⊢        | ╀ | -             |          |          | ╀        | -         | $\dashv$ | $\dashv$     | -+            | $\dashv$ | ŀ            | -   | 62       | $\dashv$   | -            | $\dashv$      | -          |          |           | ┝            | ╁        | ┽       | $\dashv$ |
| _        | 12  | <u> </u>       | ┡        | Ł | 4             | _        | _        | ╀        |           | $\dashv$ | $\dashv$     |               | 4        | -            | 4   | _        | $\dashv$   |              | -             | -          | _        |           | $\vdash$     | +        | +       | +        |
| $\vdash$ | 13  | _              | ┡        | 1 | 4             |          | L.       | +        | 4         | $\dashv$ | _            |               | 긕        | -            | 4   | 63       | $\dashv$   | -            | -             |            |          |           | $\vdash$     | +        | +       | -        |
| <u>L</u> | 14  | <u> </u>       | <u> </u> | 1 | _             |          | _        | 1        | 4         | 4        | _            | _             | _        | <u> </u>     | 4   | 64       | _  | _            | _             |            | -        | ⊢         | -            | +        | +       | -        |
|          | 15  |                | L        | 1 |               |          | L        |          | 4         | $\perp$  | _]           | _             |          | L.           | 4   | 65       | _  |              | _             |            | ļ        | ┡         | 1            | +        | +       | $\dashv$ |
|          | 16  | 1_             |          | 1 |               |          | L        | L        | _         |          |              |               |          | L            |     | 66       |  |              | _             |            | <u> </u> | L.        | <u> </u>     | ╀        | 4       | _        |
| Г        | 17  |                |          | T | ٦             |          |          | Γ        |           |          |              |               |          | L            |     | 67       |  |              | l             |            | _        | L         | _            | ╧        | _       |          |
| Г        | 18  | 1              | Ī        | Τ |               |          | Γ        | Т        | T         |          | $\Box$       |               |          |              |     | 68       |  | l            |               |            |          | <u>i_</u> |              |          | ┙       |          |
|          | 19  | ı              | Г        | T |               |          |          | T        | 7         | T        | $\neg$       |               |          | Γ            |     | 69       |  | ٠, ا         |               |            |          |           |              | Ī        | ١       | 1        |
| $\vdash$ | 20  | +-             | ı        | t |               | -        | r-       | T        | 7         | _        |              | Ī             | $\neg$   |              | _   | 70       |  |              |               |            |          |           | Ī            | Τ        | T       |          |
| -        | +   | +-             | ╁        | ╁ |               |          | ⊢        | ╁        | +         | $\dashv$ | _            |               | ᅱ        | -            | _   | 71       | Н  |              | _             |            | $\vdash$ | +-        | H            | +        | +       | $\dashv$ |
| $\vdash$ | 21  | +              | ⊢        | + |               |          | ⊬        | +        | +         | 1        | -            | =             |          | _ <b> </b> - |     | 72       |  |              |               |            | ┢        | 1         | $\vdash$     | +        | +       |          |
| $\vdash$ | 22  |                | ╄        | + | _             |          | ļ_       | +        | 4         |          |              | -             | _        | -            |     | 73       | H  |              |               |            | ⊢        | ╁         | ╀            | +        | +       |          |
| <b> </b> | 23  | -              | <u> </u> | 1 | _             |          | Ļ        | 1        | 4         | _        | _            | -             | $\dashv$ | 1            |     | -        | -  |              |               |            | -        | ╀         | ╀╌           | +        | -+      | _        |
| _        | 24  | +              | ļ_       | 1 |               |          |          | 1        | _         | _        |              |               | Щ        | L            |     | 74       |  |              |               | <b> </b> — | ⊢        | ┼-        | 1            | +        | -       |          |
|          | 25  | <u> </u>       | L        | 1 |               |          | L        | 1        | _         | _        |              |               |          |              |     | 75       | L.,  |              |               | <u> </u>   | _        | <u> </u>  | <del> </del> | $\perp$  | 4       |          |
|          | 26  |                | L.       | 1 |               |          | L        |          |           |          |              |               |          | L            | _   | 76       |  |              |               | _          | L        | _         | L            | 4        | 4       | _        |
| Г        | 27  | 7              |          | 1 |               |          |          | İ        |           |          |              |               |          | L            |     | 77       |  |              |               |            | L        | _         | L            | 1        | _       |          |
|          | 28  | 1              | T        | 1 |               |          | Т        | Т        |           |          |              |               |          | Γ            |     | 78       |  |              |               |            |          |           |              | _l_      |         |          |
| F        | 29  | 1              | T        | † |               | Г        | $\vdash$ | +        |           |          |              |               |          |              |     | 79       |  |              |               | Г          |          | Т         | Т            | T        |         |          |
| $\vdash$ | 30  | <del>,</del>   | +        | + |               |          | T        | +        | ᅥ         |          |              |               |          | 1            |     | 80       | T  |              |               |            | Т        | 1         | 1            | Т        | 7       |          |
| $\vdash$ | 8   | _              | +-       | + |               |          | t        | 十        | ᅥ         |          | _            | -             |          | t            | _   | 81       | T  |              |               | Т          | Τ        | T         | T            | T        | ٦       |          |
| H        | 32  |                | +        | + |               | $\vdash$ | t        | +        | -         |          | _            | -             |          |              |     | 82       | H  | Ι            | -             | Н          | $\vdash$ | 1         | T            | 7        | 7       |          |
| 4        | 33  | _              | +        | + | _             | ┢        | ╁        | ╁        | -         | _        | $\vdash$     | ┢╌            |          | <u> </u>     |     | 83       | <del>                                     </del> | $\vdash$     |               | 一          | ✝        | ╁┈        | +            | +        | ᅥ       | _        |
| -        | 34  |                | +-       | + |               | ⊨        | ╀╌       | +        | $\dashv$  | _        |              | ⊢             | H        |              |     | 84       | $\vdash$   | ╌            | ┢             | H          | +-       | +         | +            | +        | -1      | _        |
| $\vdash$ | -   | -              | 4-       | 4 | _             | _        | ╀        | +        | -         |          | -            | ⊢             |          | -            | _   | 85       | ├  |              | H             | ├          | ╁        | +         | +-           | +        | -       | _        |
| <u>_</u> | 35  |                | 4        | 4 |               | ╙        | 1        | 4        | _         |          | <u> </u>     | ļ             | <u> </u> | }            | _   | _        | —  |              | <u> </u>      | ┡          | ╁-       | ╁         | +            | +        |         |          |
|          | 36  |                | ┸        | 4 |               | ╙        | ╀        | 4        | _         |          | <u> </u>     | _             |          |              |     | 86       | -  | ┞~           |               | ⊢          | ╄-       | +-        | +            | 4        |         | _        |
| L        | 3   |                | L        |   |               | L_       | L        | 1        |           |          |              |               | L        |              | _   | 87       |  |              | ┖             | <u> </u>   | ┺        | <u>↓</u>  | _            | 4        | _       | -        |
|          | 38  | 3              |          |   |               | ļ        |          |          |           |          |              |               |          | ΙL           |     | 88       |  |              | $oxed{oxed}$  | L          | 1_       | ┶         | ┸            | _        |         | L        |
|          | 39  | 9              |          | Ţ | _             | Ľ        | Γ        | _[       | _]        |          | L            | L             |          | {            | _   | 89       |  | L            |               |            | 1        | $\perp$   | $\perp$      | _        |         | L        |
| Г        | 41  | οT             | Τ        | T |               |          | Τ        | T        |           |          | Γ            | Γ             | Γ        | [            |     | 90       | 1  | 1            |               | 1          |          |           | 1            |          |         |          |
| $\vdash$ | 4   | 1              | T        | 1 |               | $\vdash$ | t        | +        |           | $\vdash$ | t-           | T             |          |              | _   | 91       | 1  | 1            | Γ             | T          | T        |           | T            | 1        |         |          |
| $\vdash$ | 42  |                | +        | + |               | ╁        | ╁        | +        | _         | -        | ⊢            | $\vdash$      | H        | <b>1</b>     |     | 92       | -  | <del> </del> | t             | +          | +        | T         | $\dagger$    | $\dashv$ |         | Г        |
| -        | 4:  |                | +        | + |               | ╀        | +        | +        | _         |          | $\vdash$     | ⊢             | $\vdash$ | ┨            | _   | 93       | -  | +            | $\vdash$      | +-         | +        | +         | +            | $\dashv$ |         | Ι        |
| $\vdash$ |     | -              | +        | 4 |               | +        | +        | $\dashv$ |           |          | <del> </del> | $\vdash$      | $\vdash$ | { }          | _   | _        | +  | $\vdash$     | $\vdash$      | ╁          | +        | +         | +            | $\dashv$ |         | $\vdash$ |
| $\vdash$ | 4   |                | +        | 4 |               | ↓_       | 4        | 1        |           | $\vdash$ | ⊬            | 1             | 1        |              | _   | 94       | _  | <b>↓</b> -   | ╀             | ╀          | +        | +         | +            | -+       |         | ⊢        |
| $\vdash$ | 4   | _              | $\perp$  | 4 |               | 1        | 4-       | 4        |           | Ļ        | <del> </del> | 1             | 1        |              |     | 95       | +  |              | $\vdash$      | +          | +        | +         | +            | -+       |         | ⊢        |
| L        | 4   | _              | $\perp$  | _ |               | L        | $\perp$  | _        |           | L        | ـــ          | <u> </u>      | 1        | 1 1          |     | 96       |  | 1            | 1             | +          | +        | +         | +            | 4        |         | ┞-       |
| L        | 4   |                | $\perp$  |   |               | L        |          | ┙        |           |          | L            | L             |          | ] [          |     | 97       |  | ↓_           | 1_            | $\perp$    | 1        | $\bot$    | $\downarrow$ | _        |         | L        |
|          | 4   | в              | Ι        | I |               | Ĺ        | Ι        |          |           |          |              |               |          | ] [          | _   | 98       |  | _            | 上             | ┸          | $\perp$  | _         | 1            | _        |         | L        |
| Г        | 4   |                | Τ        | ٦ | _             | Γ        | Ţ        | T        | _         | Ĺ        | $\Gamma$     | Γ             |          | ] [          |     | 99       |  | L            | L             | $\perp$    | L        | $\perp$   | 1            |          | _       | L        |
|          | 1   | <del>.  </del> | $\neg$   | _ | _             | Т        | Т        | $\neg$   | _         | т-       | T-           | T-            |          | 1 i          | _   | 10       | ٦_   |              | 1             | 1          | 1        | - [       | - [ ]        | ſ        |         | 1        |

| Cla        | im         |              |         | _        | _         | C        | at     | e |               |         |        |              | _ | 7        |
|------------|------------|--------------|---------|----------|-----------|----------|--------|---|---------------|---------|--------|--------------|---|----------|
| -          |            | Т            | T       |          |           | Ť        | Ī      | _ | Т             | Т       |        |              | Γ | 1        |
| ā          | Original   |              |         |          |           |          |        |   |               |         |        |              |   | 1        |
| Final      | ō          |              |         |          | L         | 1        | ╝      |   | 1             | $\perp$ |        |              | L |          |
|            | 101        |              |         |          | L         |          | _      |   | 1             | $\perp$ |        |              | L |          |
|            | 102        |              | $\perp$ |          | L         | $\perp$  | $\Box$ |   |               | _       |        | _            | L | 4        |
|            | 103        |              |         |          |           | I        |        |   |               |         |        | Ĺ            | L |          |
|            | 104        | I            | $\Box$  |          | L         | 1        |        | _ | 1             |         |        |              | L | 1        |
|            | 105        | ┵            |         |          | L         | 4        |        | L | 4             | _       |        |              | L | 4        |
|            | 106        |              | 4       |          | L         | 1        |        | L | 4             | _       |        | _            | Ļ | 4        |
|            | 107        | 1            | _       |          | L         | 4        |        | L | 4             | 4       |        | _            | ╀ | 4        |
|            | 108        | 4            | _       |          | Ļ         | 4        |        | L | 4             | _       |        | L            | ╀ | 4        |
|            | 109        | 4            | 4       |          | 1         | 4        |        | L | 4             | _       |        | _            | 1 | 4        |
|            | 110        | $\downarrow$ | 4       |          |           | 4        |        | L | 4             | _       | _      | ┡            | ╀ | -        |
|            | 111        | 1            | 4       | _        | ↓_        | +        |        | 1 | 4             |         |        | ⊢            | ļ | 4        |
| _          | 112        | -            | -       |          | ŀ         | 4        |        | Ļ | -             | _       | _      | -            | + | 4        |
| <u> </u>   | 113        | 4            | -       | _        | ł         | 4        |        | ŀ |               |         |        | ╁            | + | $\dashv$ |
| L          | 114        | 4            |         |          | Ļ         | +        |        | ╀ | 4             |         | ⊢      | ╀            | + | -        |
|            | 115        | +            | _       |          | ╀         | $\dashv$ |        | ╀ | $\dashv$      |         | -      | ╀            | + | ᅴ        |
| -          | 116        | +            |         |          | ╀         | -        | _      | ł | ┪             |         | H      | ₽            | + | -        |
| <u> </u>   | 117<br>118 | 4            | -       | _        | +         | -        |        | ╀ | -             |         | ⊢      | ╁            | + |          |
| ┝          | 119        | $\dashv$     | -       | -        | ╁         | $\dashv$ |        | ╀ | -             |         | -      | ╁╌           | + | $\dashv$ |
| <u> </u> - | ++         | $\dashv$     | _       | _        | +         | +        |        | ╁ | -             |         | ┢      | ╁            | + |          |
| L          | 120        | -            |         |          | 4-        | -        |        | 1 |               |         | 1      | +            | + | _        |
| L          | 121        | 4            | _       |          | +         |          |        | 1 | 4             | _       | H      | +            | + |          |
| <u> </u>   | 122        | 4            |         | -        | +         | -        |        | + | _             |         | ┢      | +            | + |          |
| L          | 123        | -            |         | ļ        | +         | -        |        | + |               |         | ╀      | +            | + |          |
| ⊦          | 124        |              |         | ⊢        | ╁         | -        |        | + | _             | -       | ╀      | ┿            | + | ·        |
| ┝          | 125        | -            |         | ├        | +         | -        | -      | + | _             |         | ╁╌     | +            | + |          |
| -          | 126<br>127 | ┥            |         | $\vdash$ | +         | $\dashv$ |        | t |               | -       | ╁╴     | +            | + |          |
| -          | 128        |              | _       | -        | +         |          | _      | ╁ |               | -       | ╁      | +            | + |          |
| $\vdash$   | 129        | $\dashv$     |         | ┝        | $^{+}$    | _        | _      | + |               | H       | ╁      | +            | 1 |          |
| $\vdash$   | 130        | $\dashv$     | _       | -        | +         | _        | -      | † |               | Н       | 十      | ╁            | + |          |
| ┢          | 131        | $\dashv$     |         | ┢        | $\dagger$ | _        | Н      | † |               | ┪       | t      | +            | 7 |          |
| -          | 132        |              |         | ┪        | †         | _        | H      | 1 |               | Г       | t      | +            | 1 |          |
| $\vdash$   | 133        |              | _       | t        | †         |          | Н      | † |               | ┢       | T      | +            | 7 |          |
| F          | 134        |              |         | $\vdash$ | †         |          | -      | 1 | _             | T       | †      | $^{\dagger}$ | 7 |          |
| 卜          | 135        |              |         | T        | †         |          | Г      | 7 |               | _       | †      | Ť            | 7 | _        |
| F          | 136        |              | _       | T        | 1         |          | T      | 1 |               |         | T      | 1            |   | _        |
| r          | 137        |              |         | Γ        | 7         |          | Ţ      | 7 |               |         | T      | 1            |   |          |
|            | 138        |              |         | T        | 1         |          | Γ      | 1 |               | 1       | Τ      | T            |   |          |
|            | 139        |              | Г       | T        | Ī         |          |        | ٦ |               | Τ       | Τ      | T            |   |          |
|            | 140        |              |         | Т        | ٦         |          | Г      |   |               | Γ       | Τ      | Т            |   |          |
| r          | 141        |              | T       | T        | 7         |          | T      | ٦ |               | T       | T      | 1            |   |          |
| F          | 142        |              | _       | t        | 7         |          | T      | 7 |               | T       | T      | $\dagger$    |   | -        |
| F          | 143        | Т            | Γ       | T        | 1         | _        | T      | ٦ |               | 1       | 1      | +            |   |          |
| T          | 144        |              | 1       | Ť        | 1         |          | T      | _ |               | T       | $\top$ | ┪            |   | Г        |
| $\vdash$   | 145        | _            | Г       | t        | 7         |          | T      | 7 |               | T       | 1      | 7            | _ |          |
| T          | 146        | -            | Г       | T        | 7         |          | t      | 1 |               | T       | $\top$ | 1            | _ |          |
| r          | 147        |              | T       | T        | 7         | _        | T      | Ī |               | 1       | 1      | T            |   |          |
|            | 148        |              |         | T        | ┪         |          | Τ      |   | Г             | T       | 1      | _†           |   |          |
| r          | 149        |              | Π       | T        |           |          | I      |   |               |         | Ι      | J            |   | L        |
| -          | 1          |              | 1       | -        | _         | _        | _      | _ | $\overline{}$ |         | ┰      | т            |   | _        |

If more than 150 claims or 10 actions staple additional sheet here